

In the Specification:

Please replace paragraph [0009] with the following amended paragraph:

[0009] The value of a sensor for providing both diagnostics and prognostics is readily accepted; however, innovative technical developments are needed to facilitate the implementation.

Please replace paragraph [0010] with the following amended paragraph:

[0010] Some aspects of the invention provide a system comprising a valve; a plurality of RFID sensor assemblies coupled to the valve to monitor a plurality of parameters associated with the valve; a control tag configured to wirelessly communicate with the respective tags that are coupled to the valve, the control tag being further configured to communicate with an RF reader; and an RF reader configured to selectively communicate with the control tag, the reader including an RF receiver. [:]

Please replace paragraph [0038] with the following amended paragraph:

[0038] In the illustrated embodiment, the reader 52 further includes a low battery indicator 92, a power on indicator 94 [92], and a speaker 96. Other embodiments are possible.

Please replace paragraph [0041] with the following amended paragraph:

[0041] For example, Fig. 3 is a perspective view of a sensor assembly 150, which can be substantially similar to the RF tag assembly 50 shown in Fig. 2A. The sensor assembly 150 ~~50~~ includes an RFID tag 151, which can be identical to or substantially identical to the RFID tag 51 shown in Fig. 2A. The assembly 151 is configured to be used to measure temperature and may be placed in a high temperature environment. The assembly 151 includes a probe or waveguide 152 having first and second ends 153 and 154. The first end 153 defines a tip, and a thermocouple 155 is supported on the tip. The RFID tag 151 is supported on the second end 154.